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SOURCE Jen-min Jih-pao

PEIPING DAILY PUBLISHES PHOTOGRAPHS
OF ATOMIC POWER PLANT IN USSR

Four photographs purporting to show an atomic power plant in the USSR
 appeared in the Peiping Jen-min Jih-pao, 5 February 1955.

The same newspaper contains A Hsin-hua She article from TASS, datelined
 Moscow, 3 February 1955, on the annual work report of the Academy of Sciences
 USSR. The article highlights the accomplishments of research on the peaceful
 use of atomic energy. Among several academicians mentioned in the article is
 Academician Topchiyev, who reported on the completion of the first atomic en-
 ergy power plant for industrial use. According to the article, the plant be-
 longs to the Academy of Sciences USSR, and produces 5,000 kilowatts to be sup-
 plied to surrounding industrial installations.

Captions accompanying the photographs are as follows:

1. (Upper right) -- World's first atomic power plant. Outside view of
 the atomic power plant belonging to the Academy of Sciences USSR. This power
 plant does not use coal or other fuels to produce heat energy for electric
 power, but uses atomic energy released when uranium atoms are split in the
 atomic reactor pile.
2. (Lower right) -- Atomic furnace (atomic reactor pile) used in the
 atomic power plant. The whole furnace is underground and is surrounded by a
 very thick concrete protection layer so that the workers will not be injured
 by nuclear fission radiation. Seen in the photograph is the protruding part
 of the atomic furnace.
3. (Upper left) -- The high heat of the atomic reactor pile is used to
 convert water in the heat-exchange system into high-pressure steam. The photo-
 graph shows a row of heat exchangers.

- 1 -

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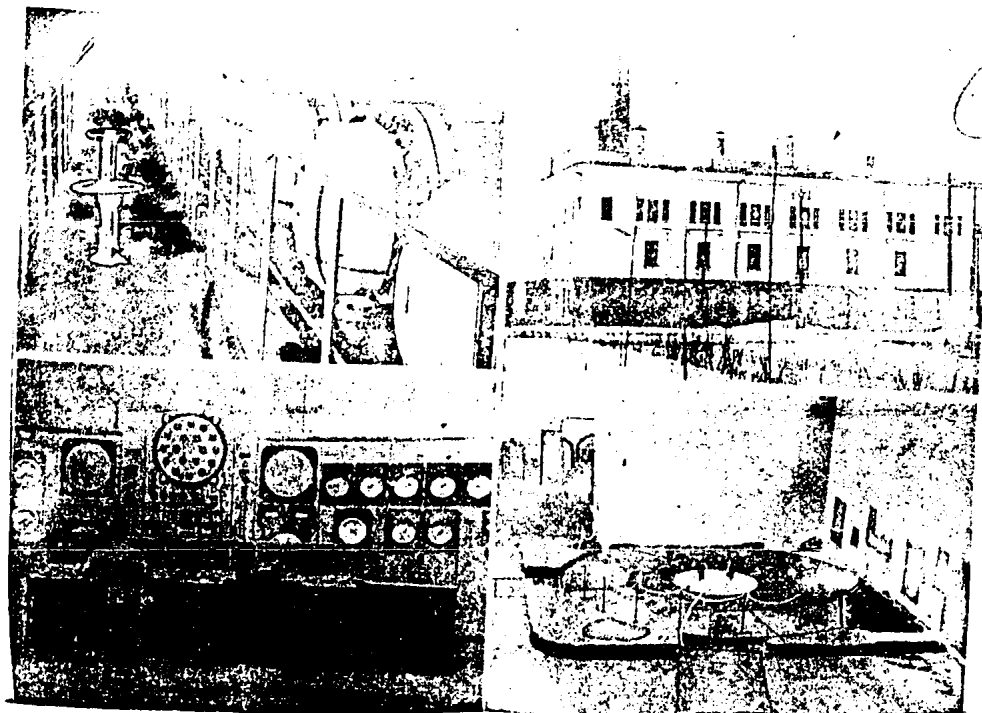
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(Continued) - In the central control room, the personnel control the operation and the installations in the atomic power plant. According to the indications in the various instruments, power is supplied from the plant to the cities and agricultural villages.

(Continued) -



- 2 -

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